

AMENDMENTS TO THE SPECIFICATION

Amend the paragraph beginning on Page 7, Line 29 as follows:

The input terminals 16, 52 and 56 are grouped as four inputs in Fig. 3. Each of the inputs is connected to an identical input circuit. Accordingly, only one of the four input circuits will be described in detail. The input terminals 16 are connected to input terminals of a full wave bridge rectifier 60. The bridge rectifier enables acceptance of either a positive or a negative input signal. The reference for each input is selected using the two position shorting plug 17 that is associated with each input. For example the top two inputs are illustrated for connection to a PNP device and the current is shown flowing into the rectifier 60 by the small arrow. In contrast, an NPN device is connected to the bottom set of input terminals. Accordingly, the corresponding shorting plug 17 has been shifted to its second position and the current, as indicated by the small arrow now flows out of the bridge circuit 60. The third set of input terminals from the top are shown as being connected to a dry contact device, such as a mechanical limit switch or relay contacts. While the dry contact device is shown as being connected the same as the PNP devices above it in the figure, it will be appreciated that it also can be connected the same as the NPN device if a reverse current flow is desired. While shoring plugs 17 have been shown in Fig. 3, it will be appreciated that the invention also can be practiced with miniature switches, such as, for example, dip switches.